

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12215 - L2 Version 2
Chandra X-Ray Center

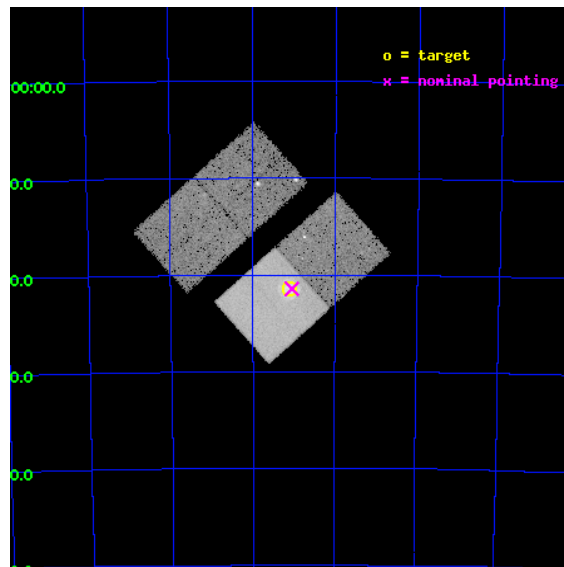
L2 Processing Date : Jun 26 2012

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1 Front

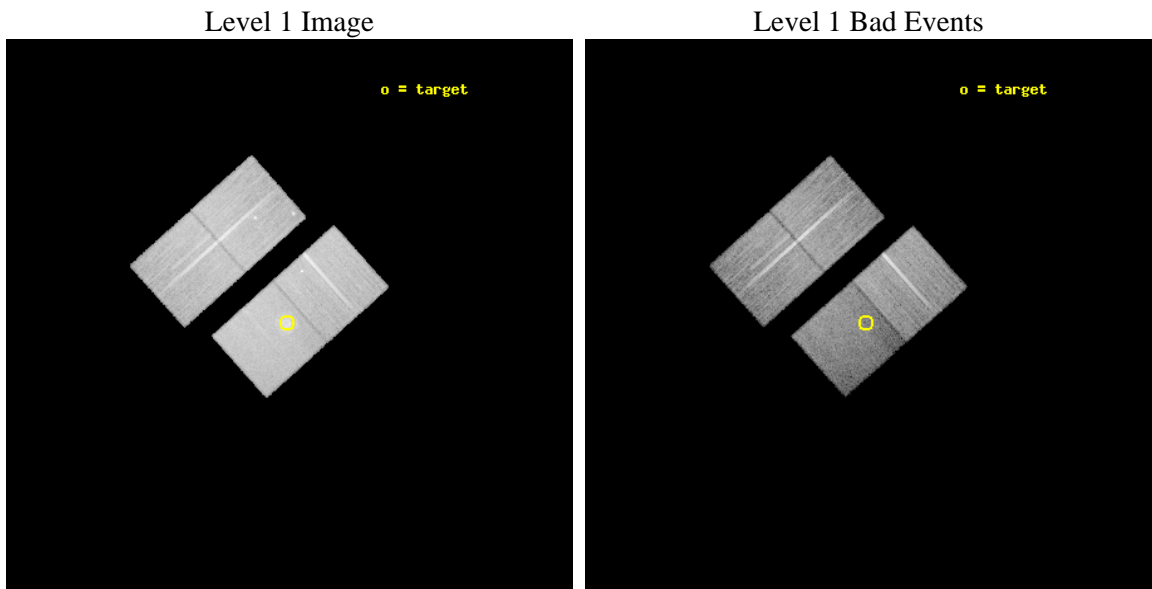
seq_num	501185	Sequence number
obs_id	12215	Observation id
title	A Detailed Study of the Aged O-Rich Supernova Remnant 0049-73.6	Pr
observer	DR. Sangwook Park	Principal investigator
object	SNR 0049-73.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.779167	Observer's specified target RA [deg]
dec_targ	-73.358333	Observer's specified target Dec [deg]
ra_nom	12.762444417441	Nominal RA [deg]
dec_nom	-73.357480972251	Nominal Dec [deg]
roll_nom	138.14059162555	Nominal Roll [deg]
revision	2	Processing version of data
ontime	23047.416081965	Sum of GTIs [s]
livetime	22746.284623593	Livetime [s]
ontime2	23044.151961565	Sum of GTIs [s]
ontime3	23047.334001958	Sum of GTIs [s]
ontime6	23047.375041962	Sum of GTIs [s]
ontime7	23047.416081965	Sum of GTIs [s]
l2events	135199	Number of level 2 events



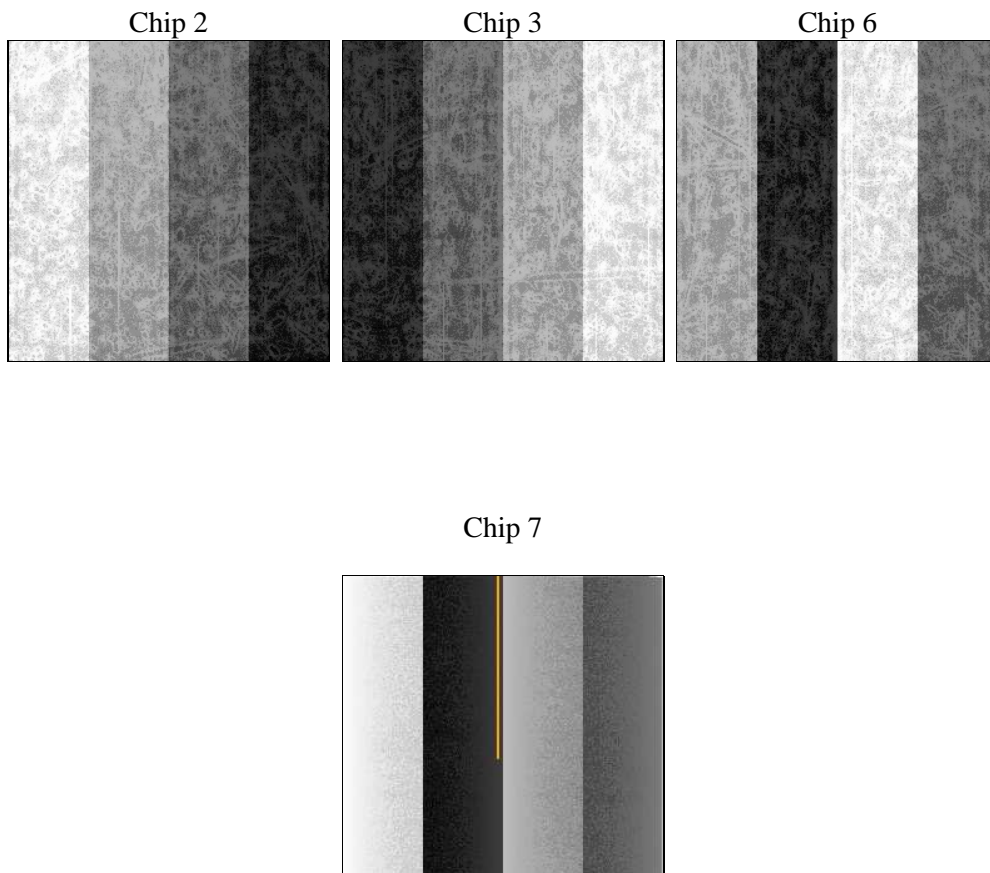
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	23000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	23047.416081965	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	23044.151961565	Sum of GTIs [s]
date	2012-06-26T01:35:11	Date and time of file creation	ontime3	23047.334001958	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	23047.375041962	Sum of GTIs [s]
			ontime7	23047.416081965	Sum of GTIs [s]
			l1events	675933	Number of level 1 events

2.1.4 Events

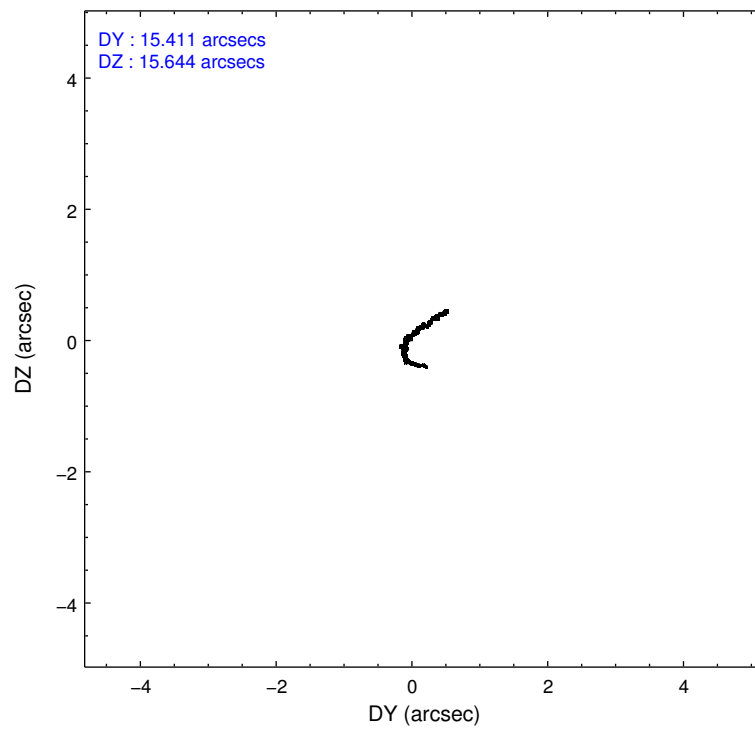
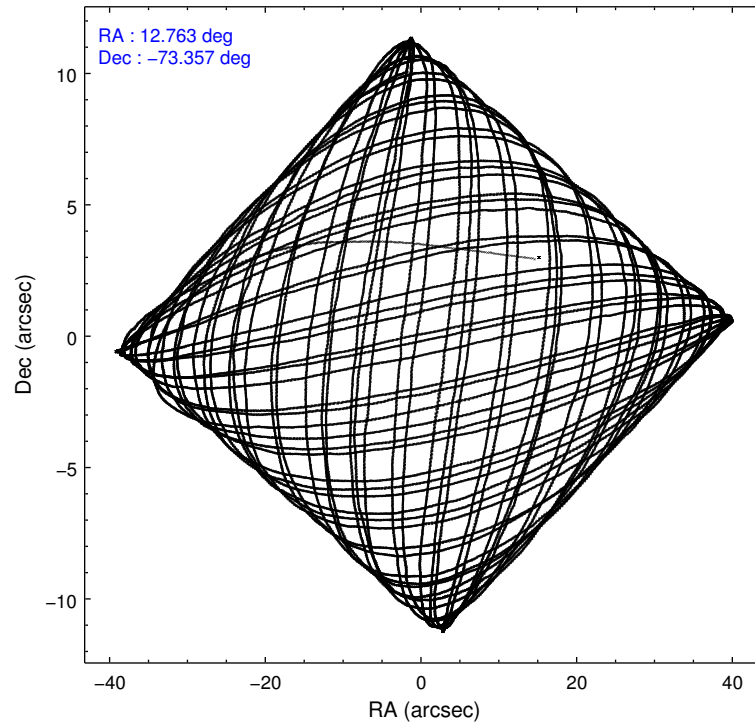
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	170299	155922	171629	178083
rejected events	151497	139499	152069	87181
rejected %	88%	89%	88%	48%

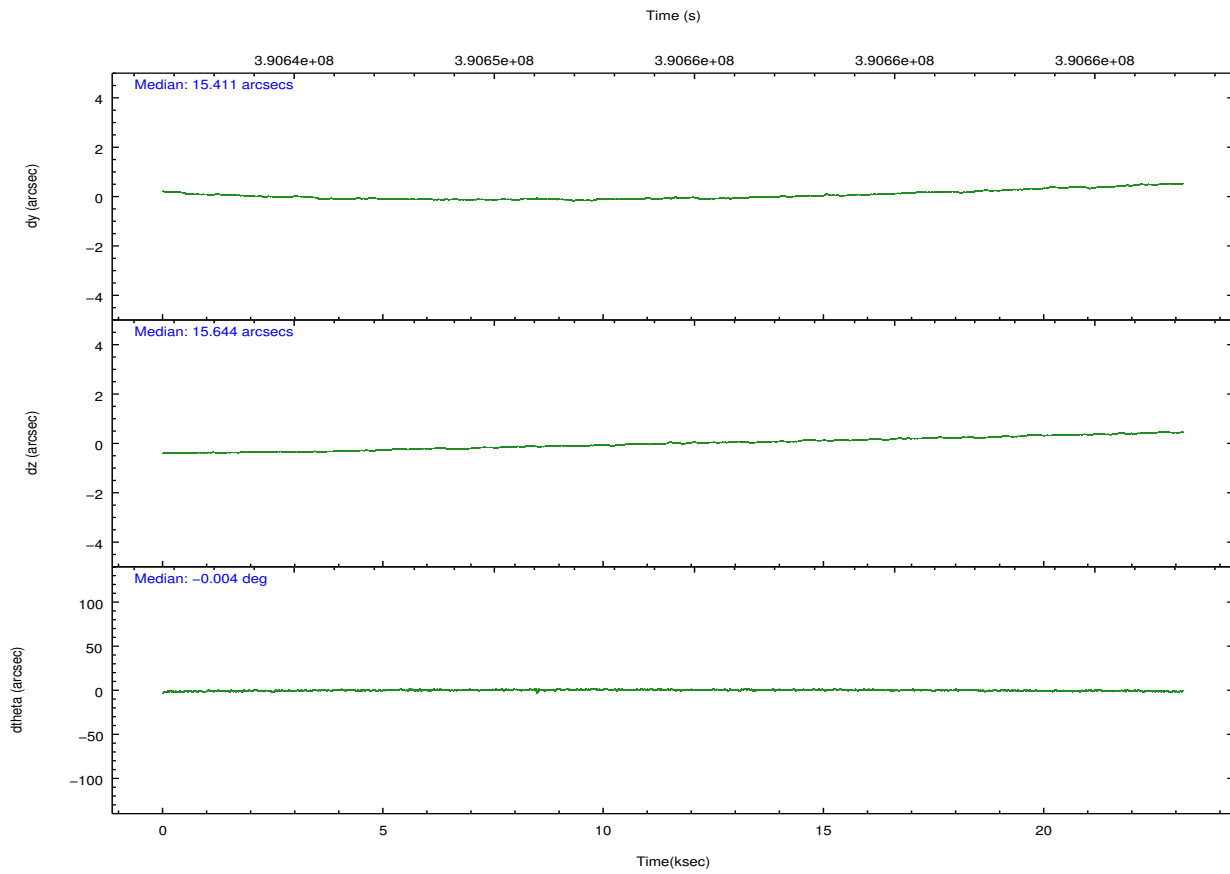
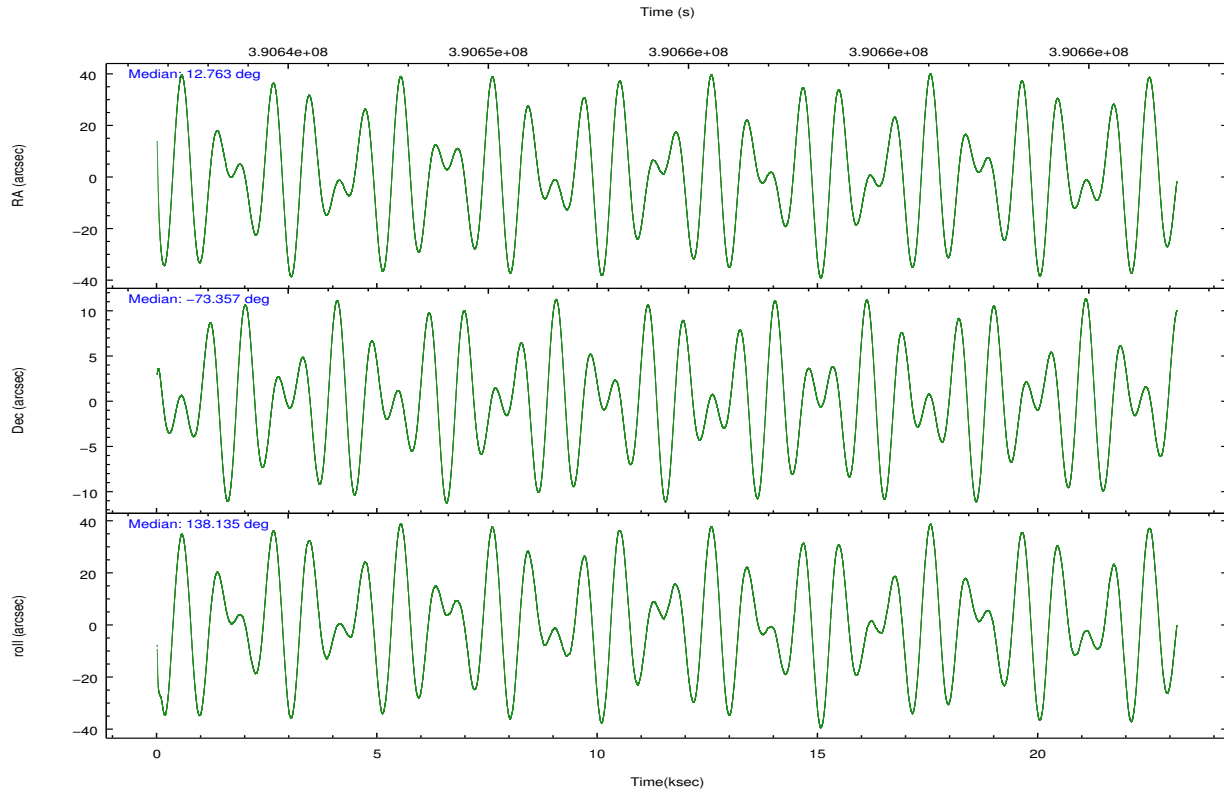
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	7774	6004	7636	10912
	4%	3%	4%	6%
grade 1 events	119	93	90	283
	0%	0%	0%	0%
grade 2 events	4243	3610	4268	20055
	2%	2%	2%	11%
grade 3 events	1844	1861	1955	8634
	1%	1%	1%	4%
grade 4 events	1897	1852	1958	8577
	1%	1%	1%	4%
grade 5 events	5033	6162	6205	18315
	2%	3%	3%	10%
grade 6 events	3045	3097	3745	42733
	1%	1%	2%	23%
grade 7 events	146344	133243	145772	68574
	85%	85%	84%	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	12.856233	12.7624444174408	Subarray requested	NONE	NONE
[deg] Pointing Dec	-73.362708	-73.35748097225114	Alternating exposures requested	N	N
[deg] Pointing Roll	138.073835	138.1405916255515	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	390643040.184000	390642001.78056			
Observation start date	2010-05-19T07:56:14	2010-05-19T07:40:01			
[s] Observation end time (MET)	390666040.184000	390666739.13182			
Observation end date	2010-05-19T14:19:34	2010-05-19T14:32:19			
Read mode	TIMED	TIMED			

2.3 Aspect



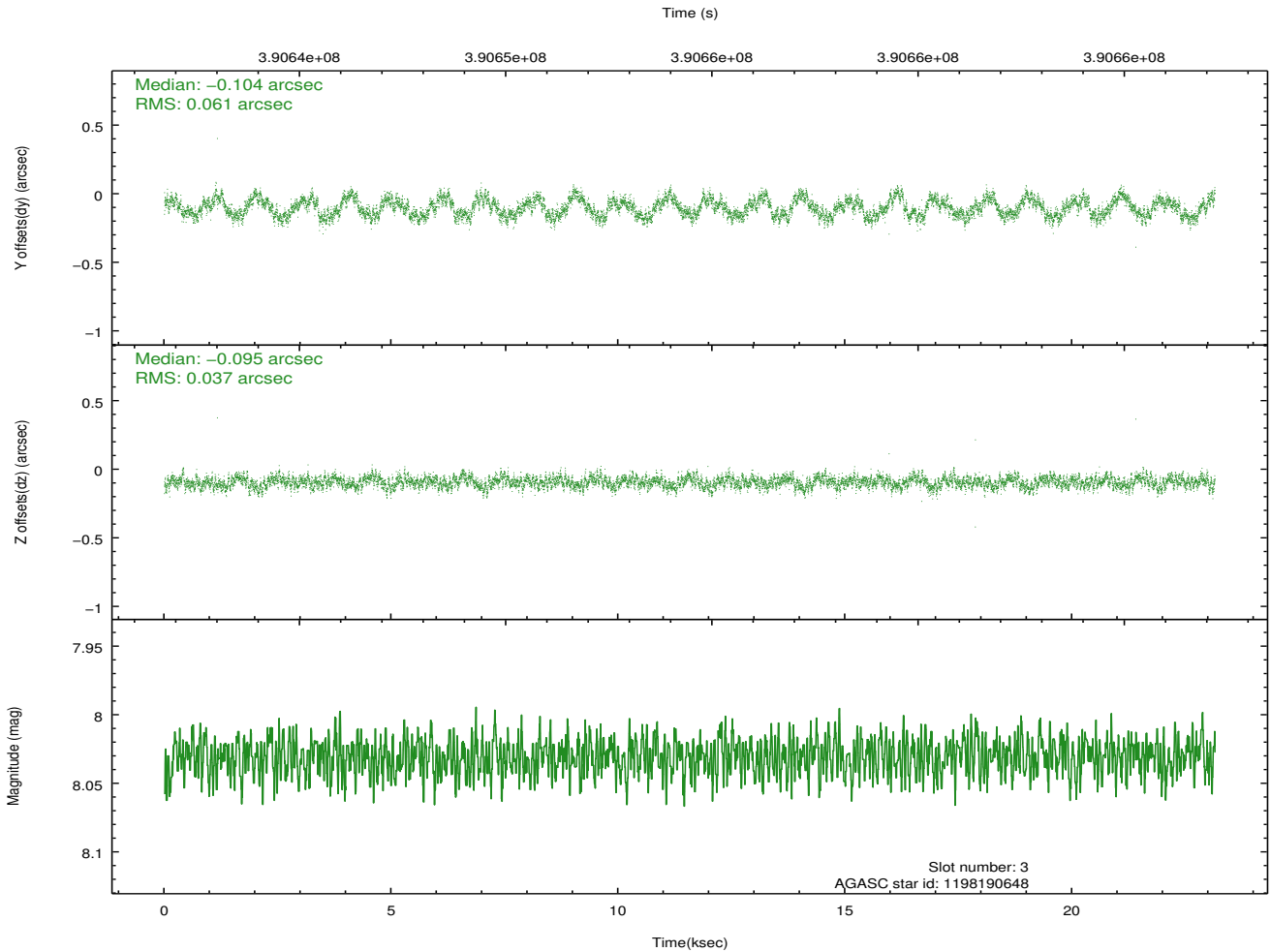
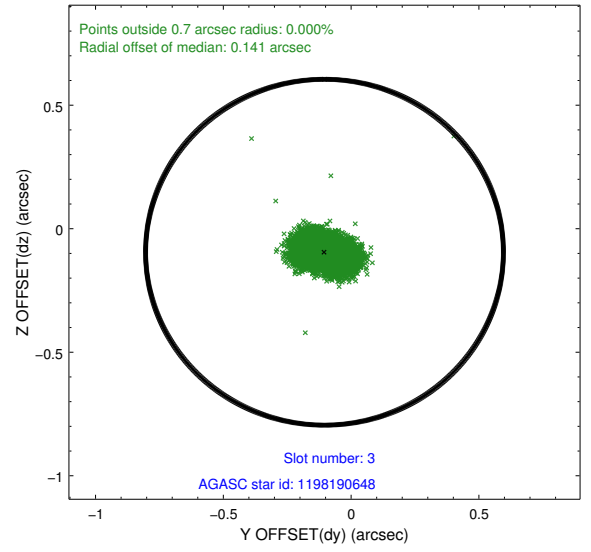
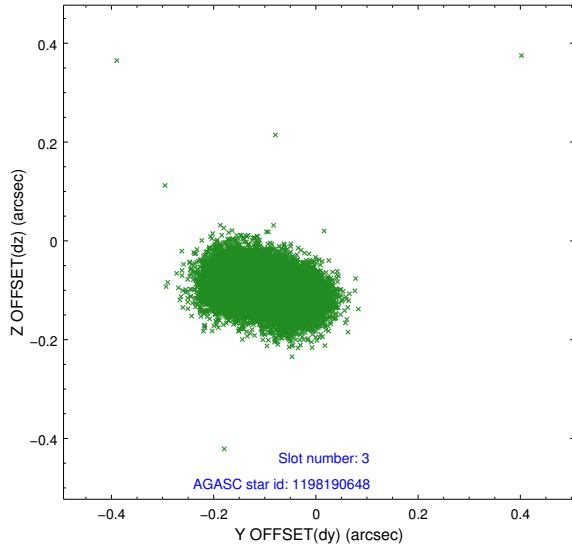


Slot Statistics

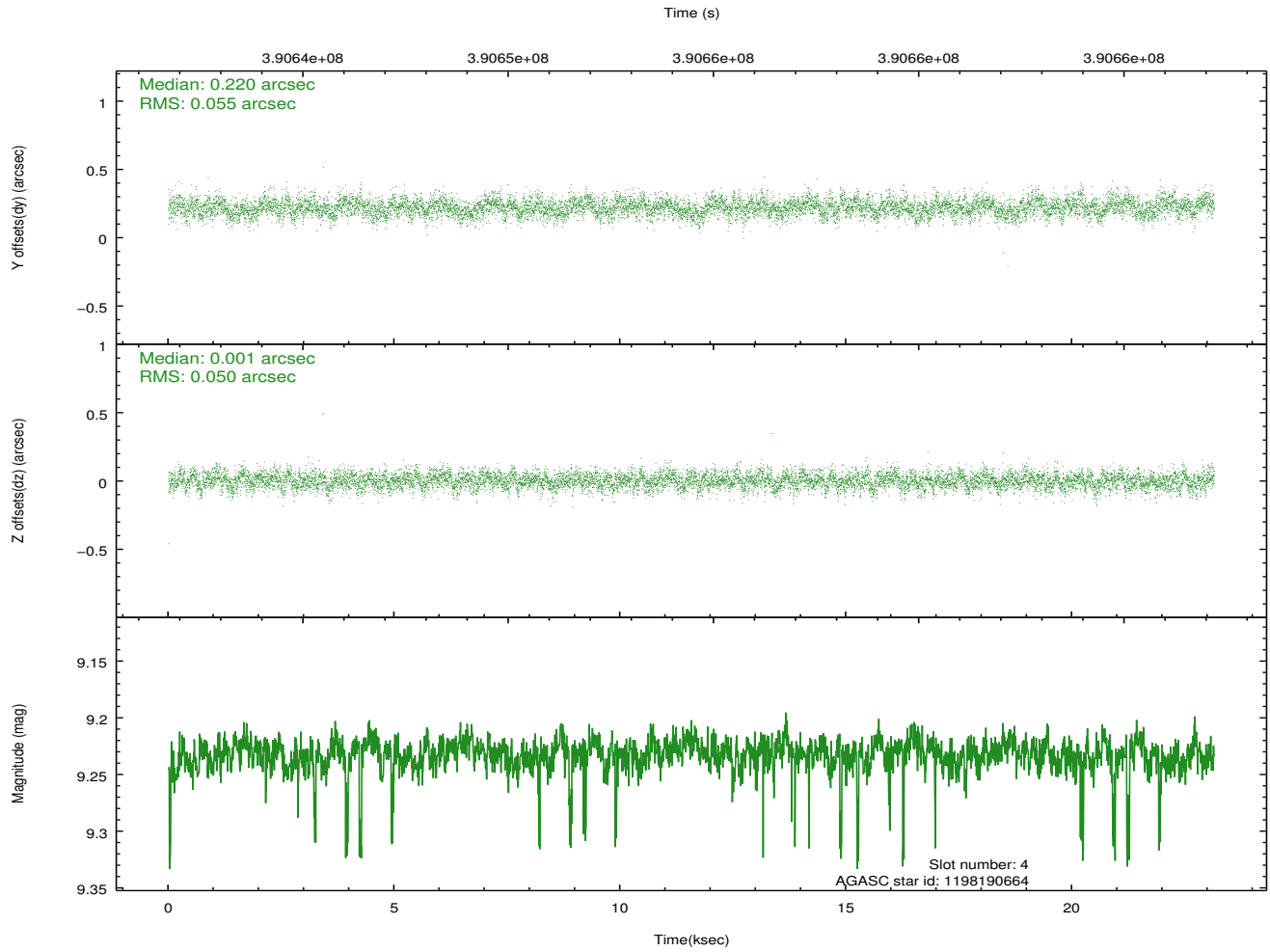
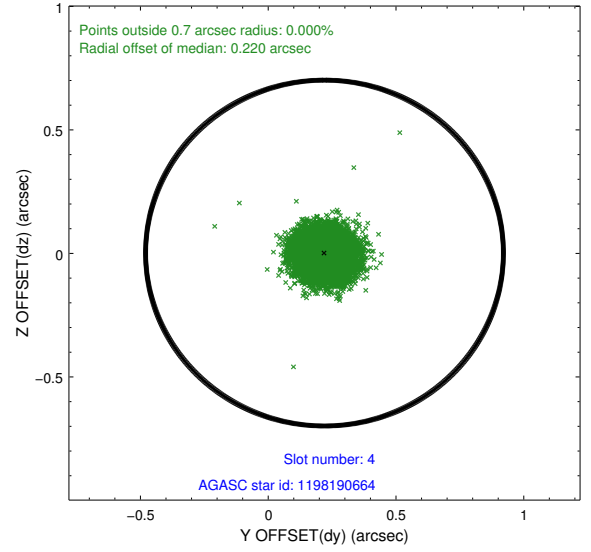
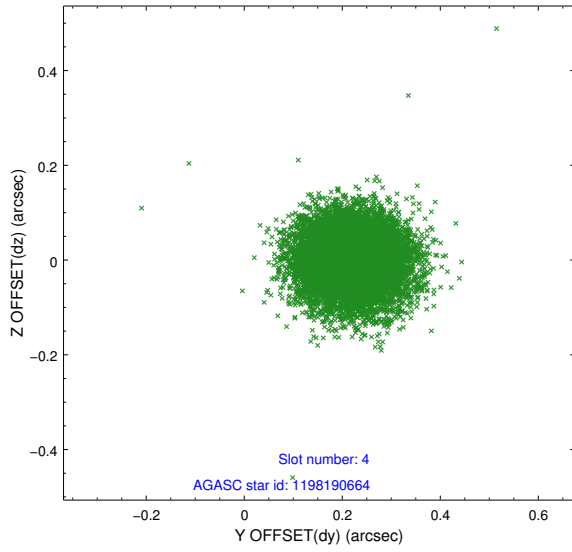
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.01	5646	0.101	-0.029	0.021	0.040	0.000000	0.000000	927.63	-1732.67
1	FID	ACIS-S-2	6.95	5646	-0.118	-0.023	0.011	0.018	0.000000	0.000000	-768.41	-1737.31
2	FID	ACIS-S-6	7.17	5643	-0.003	0.058	0.014	0.026	0.000000	0.000000	393.19	808.63
3	GUIDE	1198190648	8.03	11283	-0.104	-0.095	0.077	0.119	12.344115	-73.478663	109.59	662.76
4	GUIDE	1198190664	9.23	11251	0.220	0.001	0.078	0.129	14.057016	-73.825958	-2018.32	445.40
5	GUIDE	1198191824	9.33	11236	-0.027	-0.025	0.103	0.166	11.519918	-73.478175	729.75	1234.81
6	GUIDE	1198192408	9.42	11274	-0.172	0.196	0.129	0.209	12.860639	-72.678863	1641.62	-1834.19
7	GUIDE	1198192456	8.58	11285	0.083	-0.073	0.081	0.135	13.422921	-73.869405	-1641.89	980.31

2.4 Star Slots

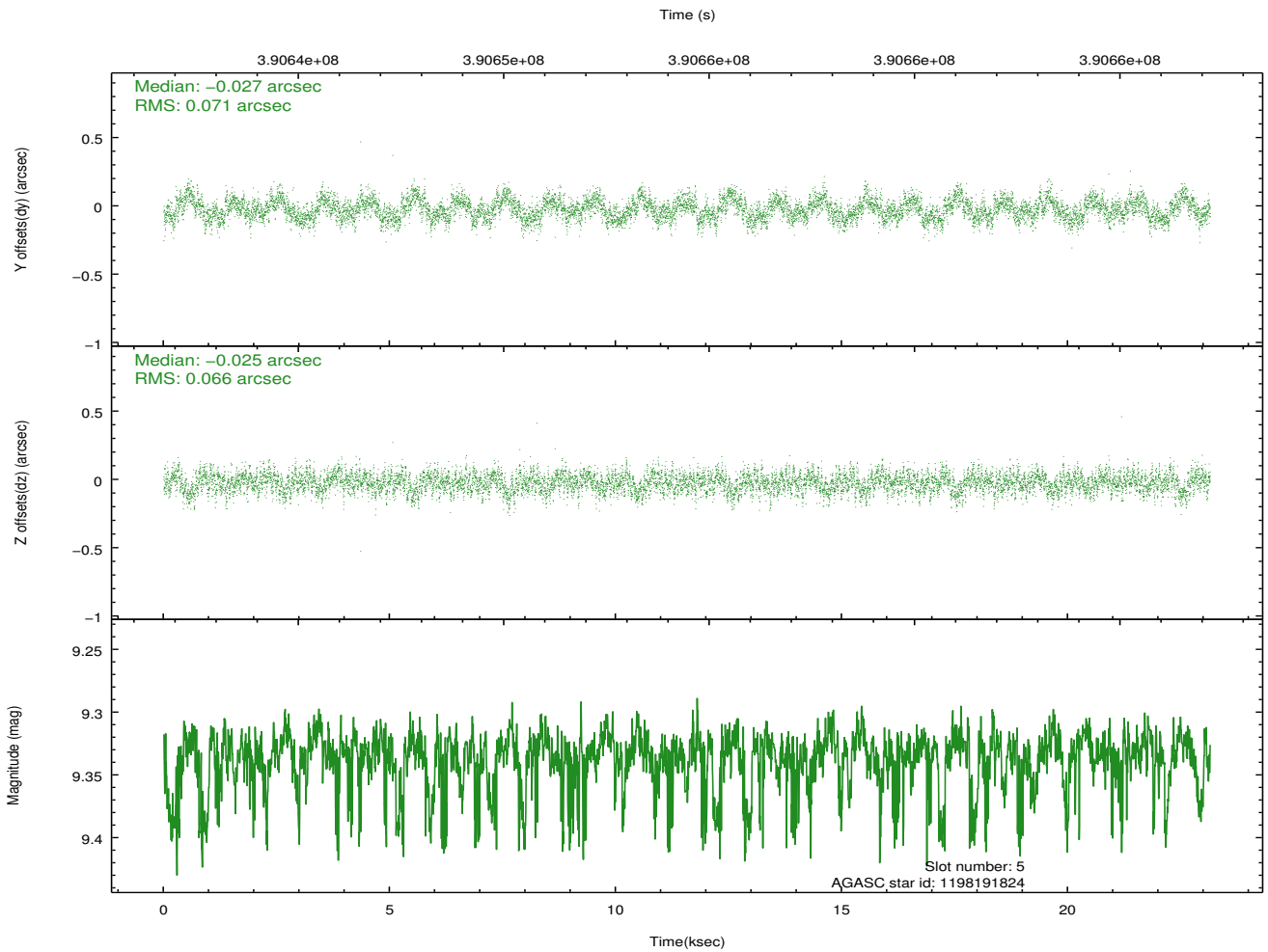
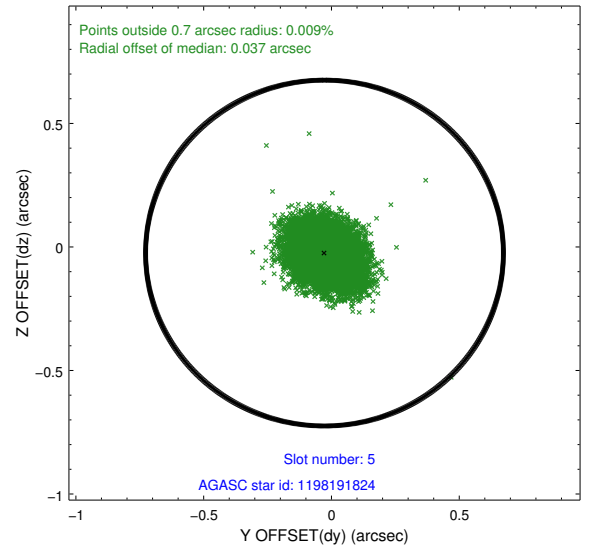
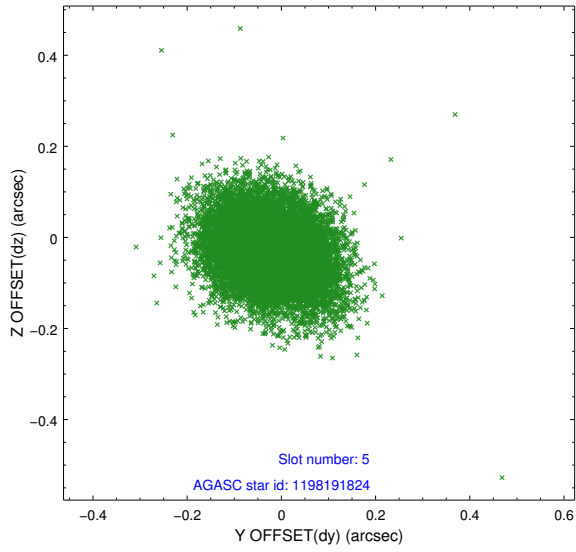
2.4.1 Slot 3



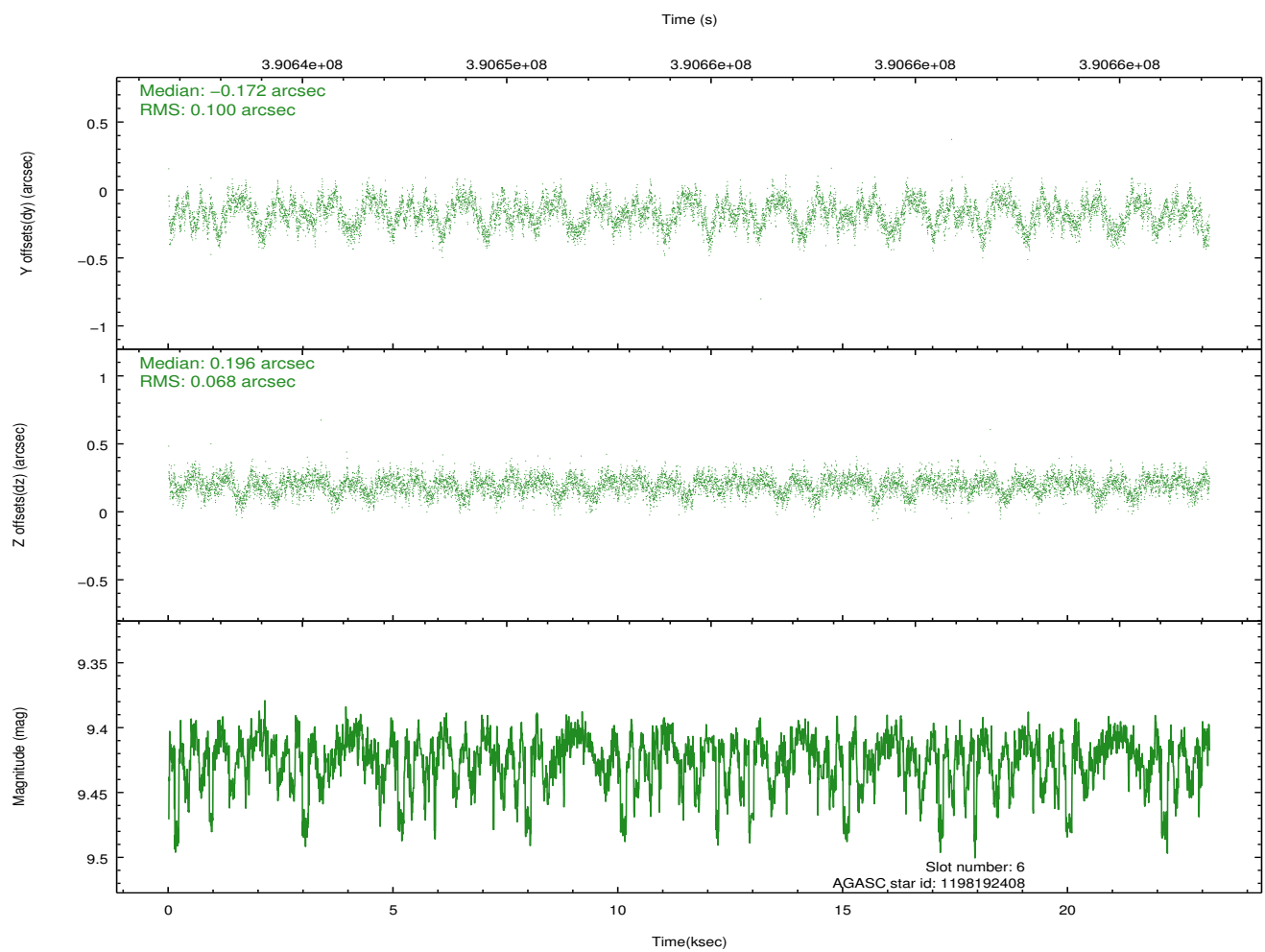
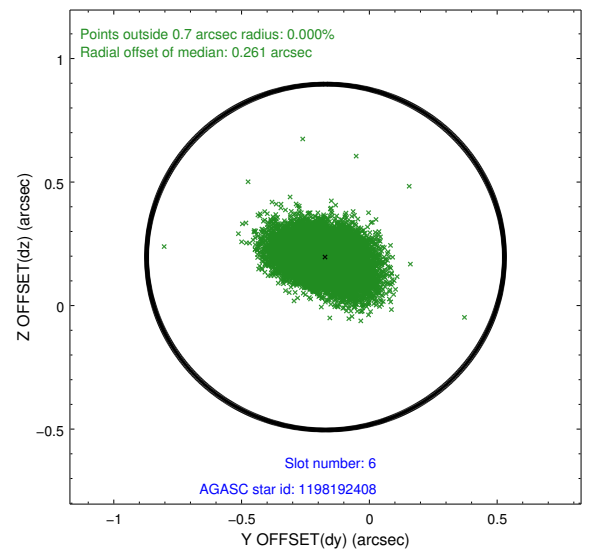
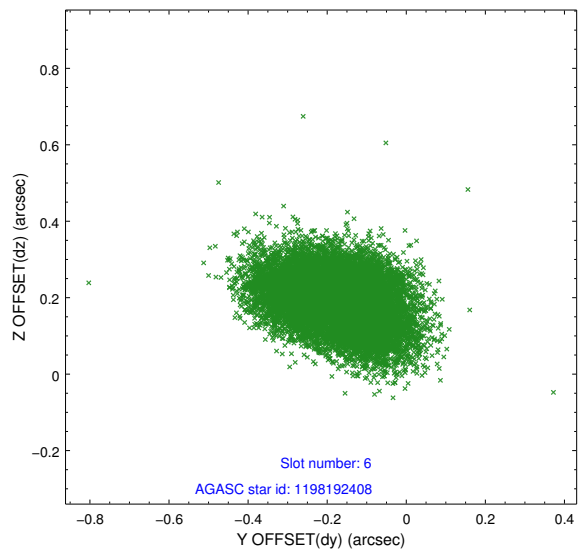
2.4.2 Slot 4



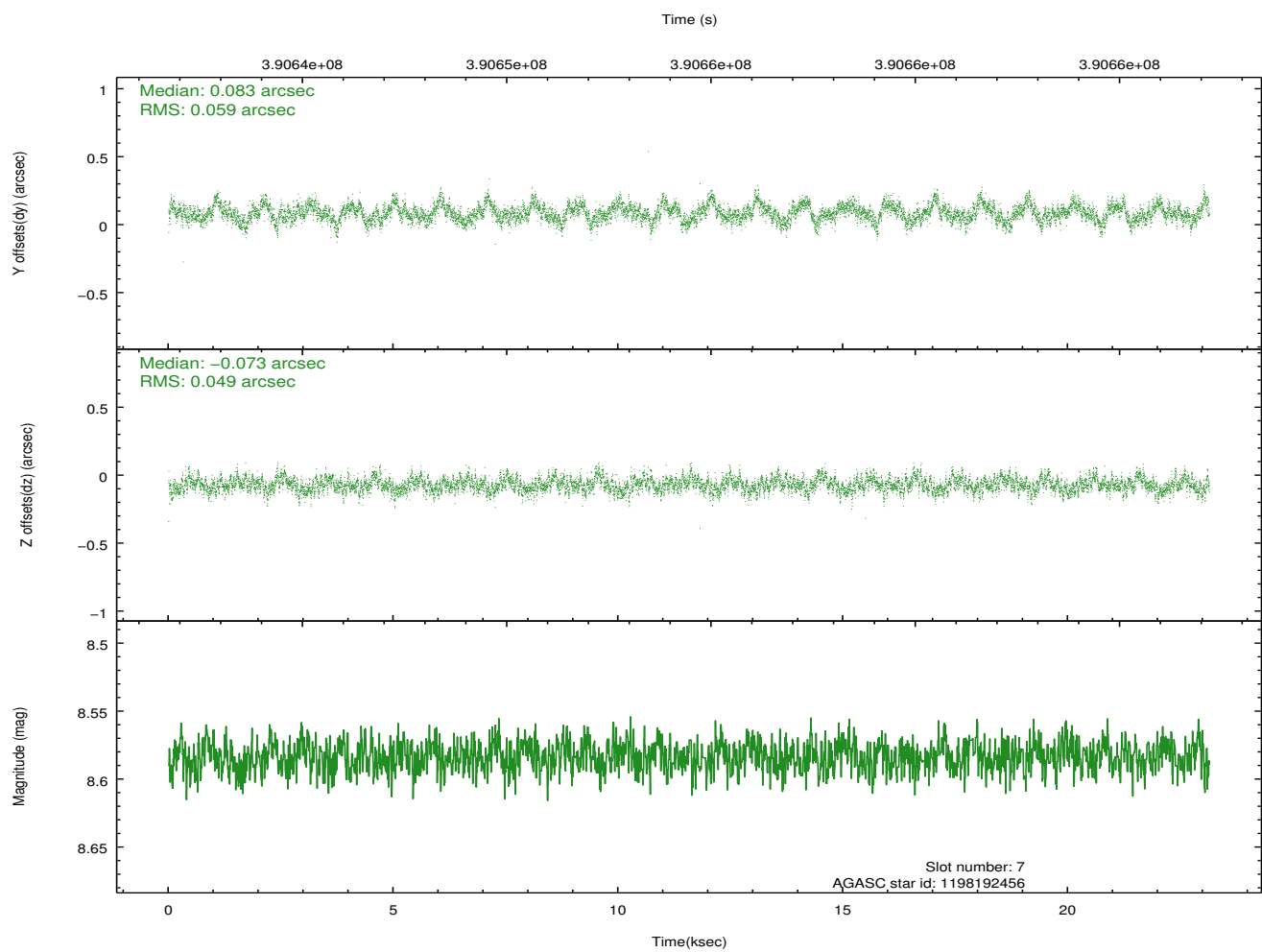
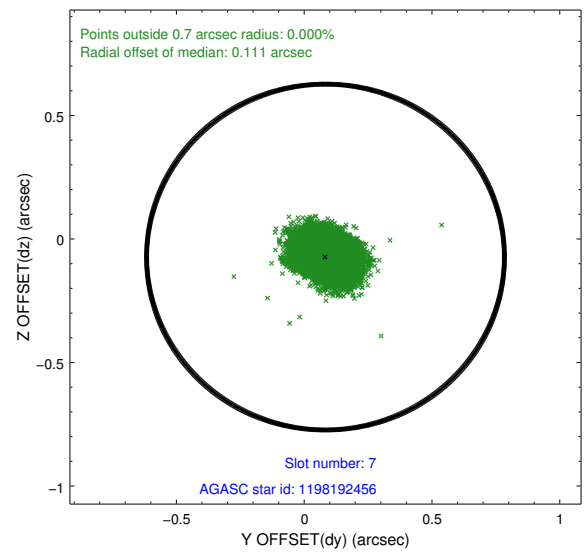
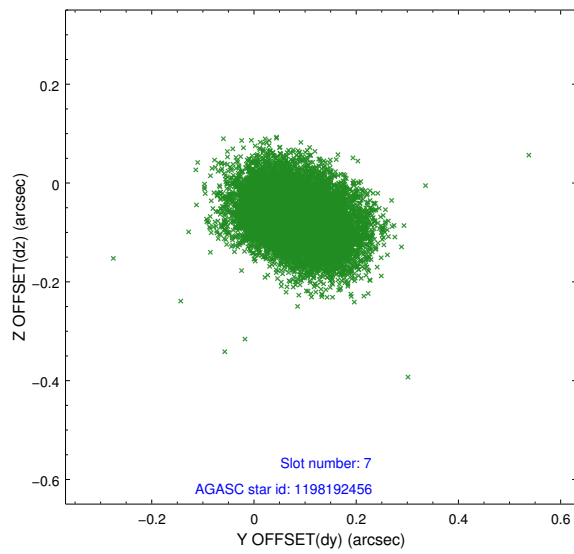
2.4.3 Slot 5



2.4.4 Slot 6

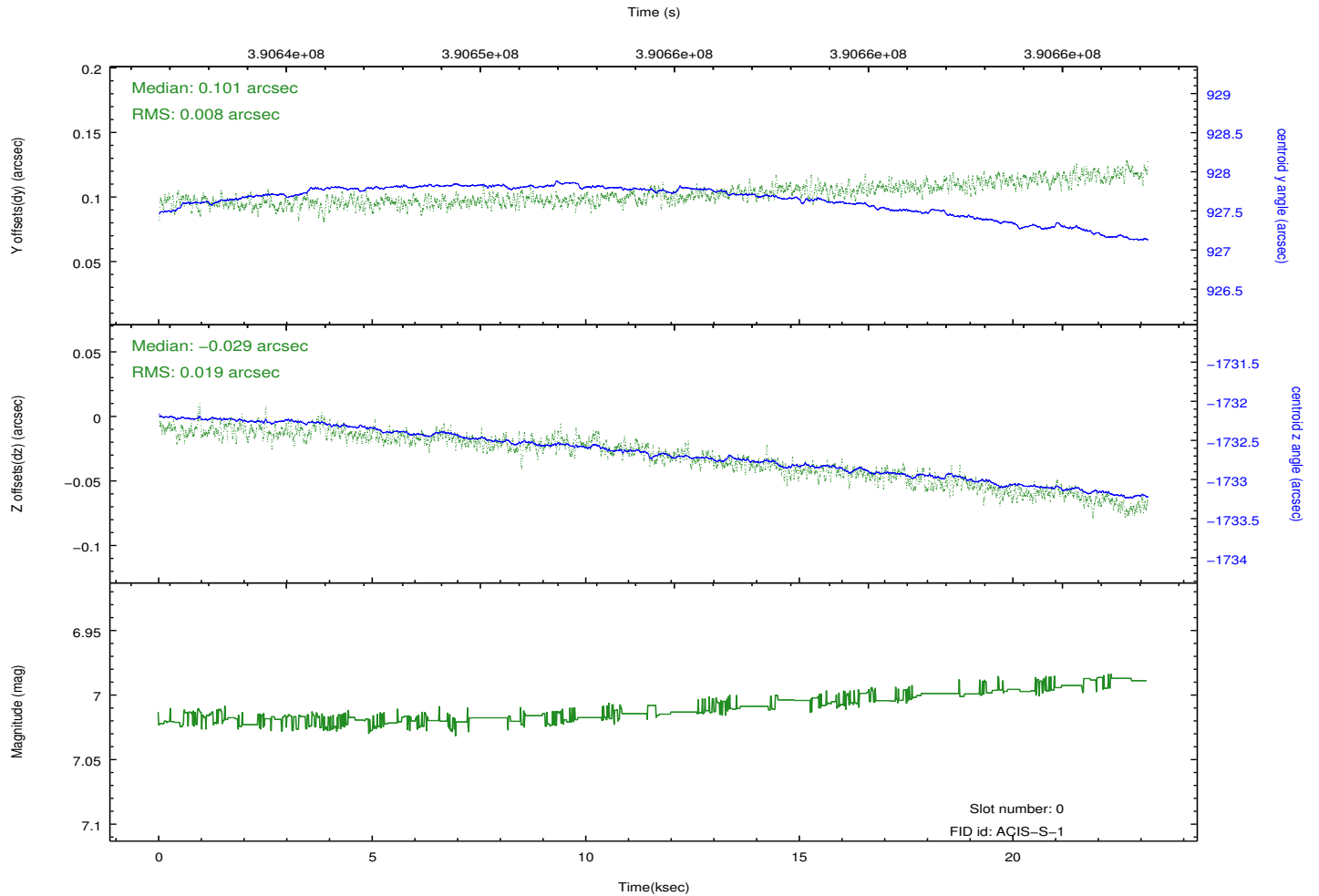
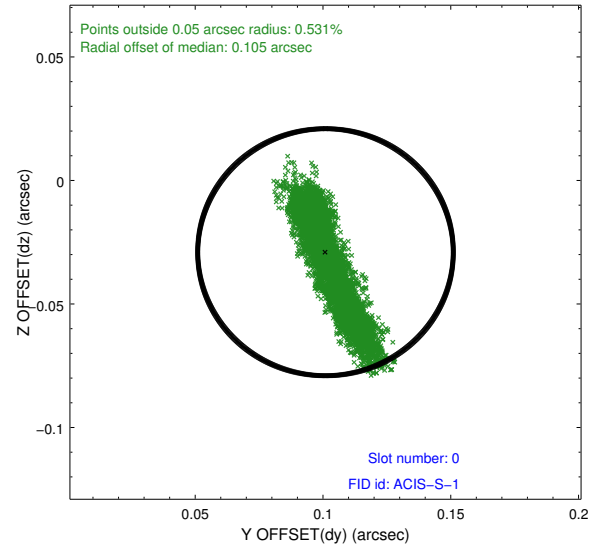
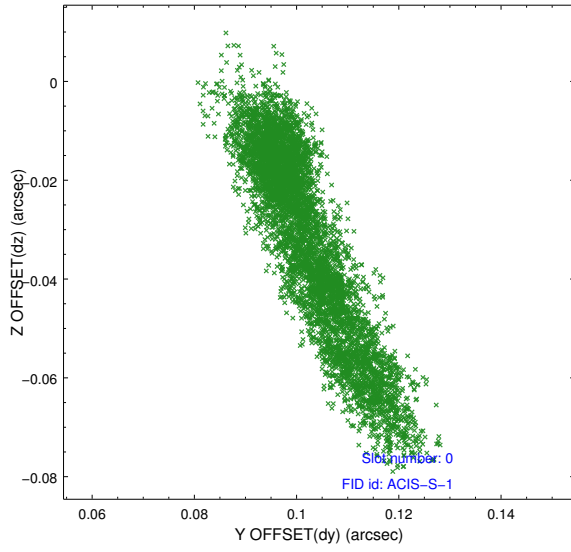


2.4.5 Slot 7

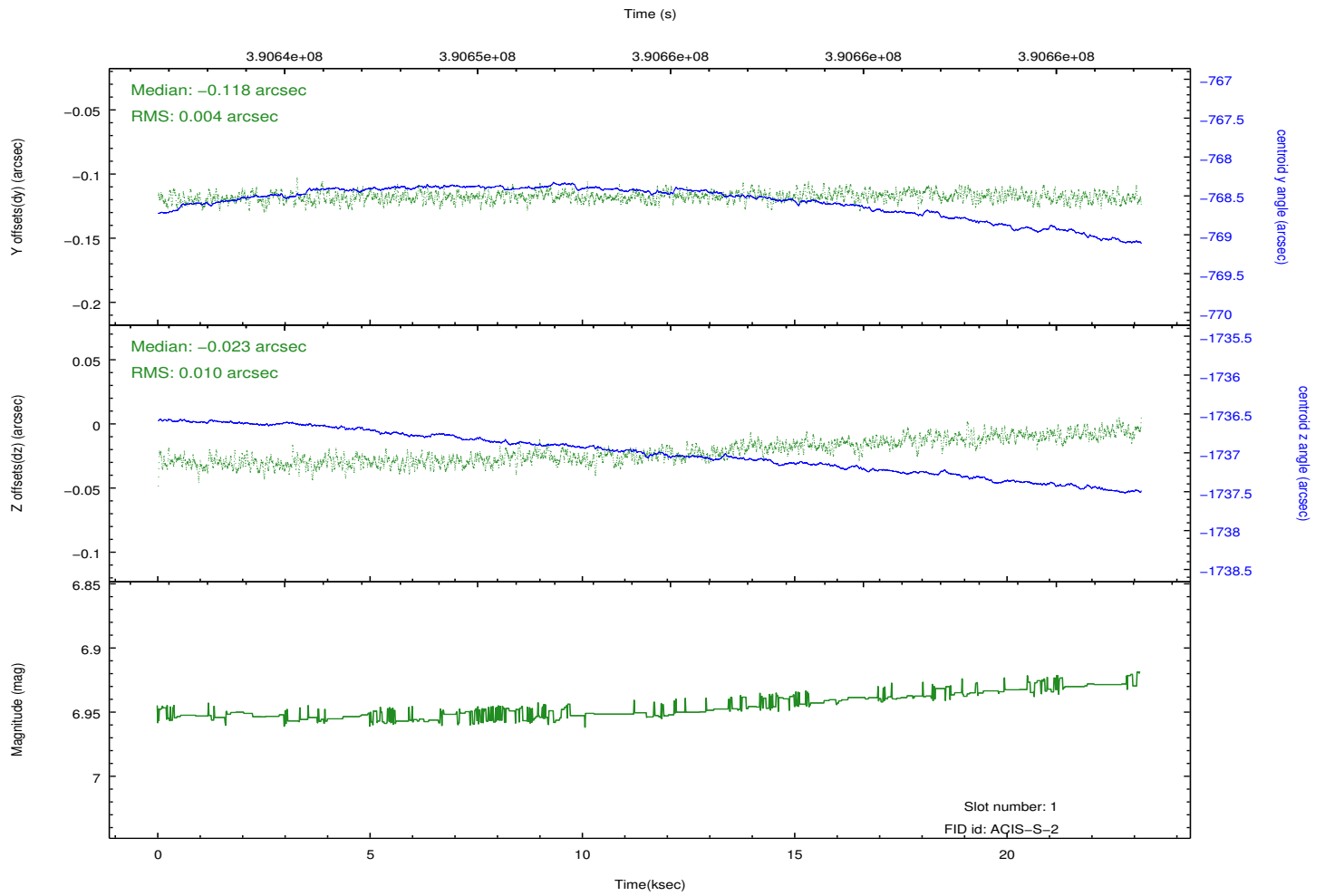
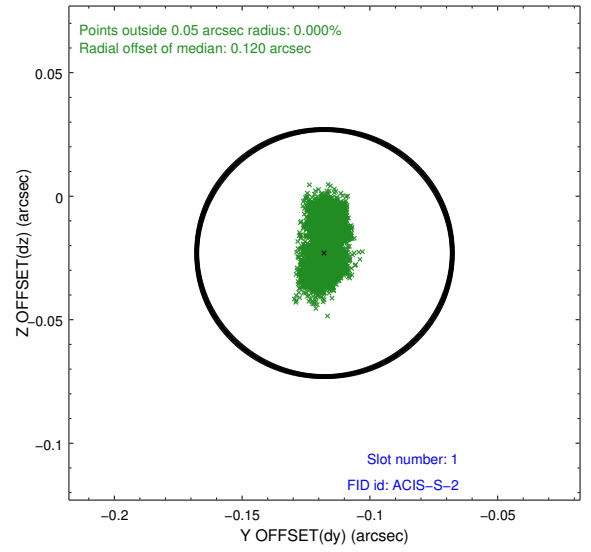
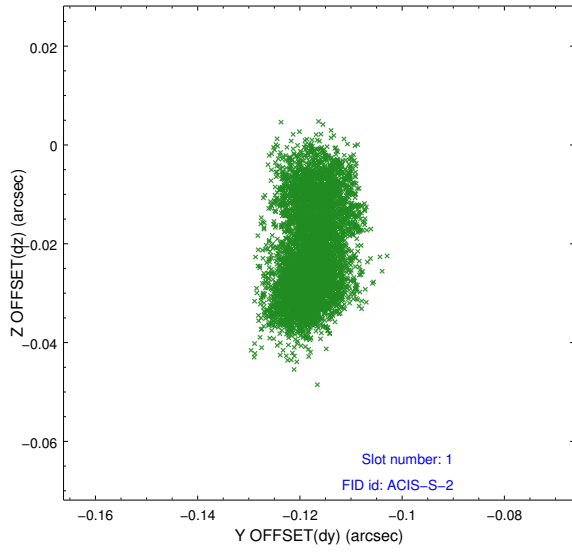


2.5 FID Slots

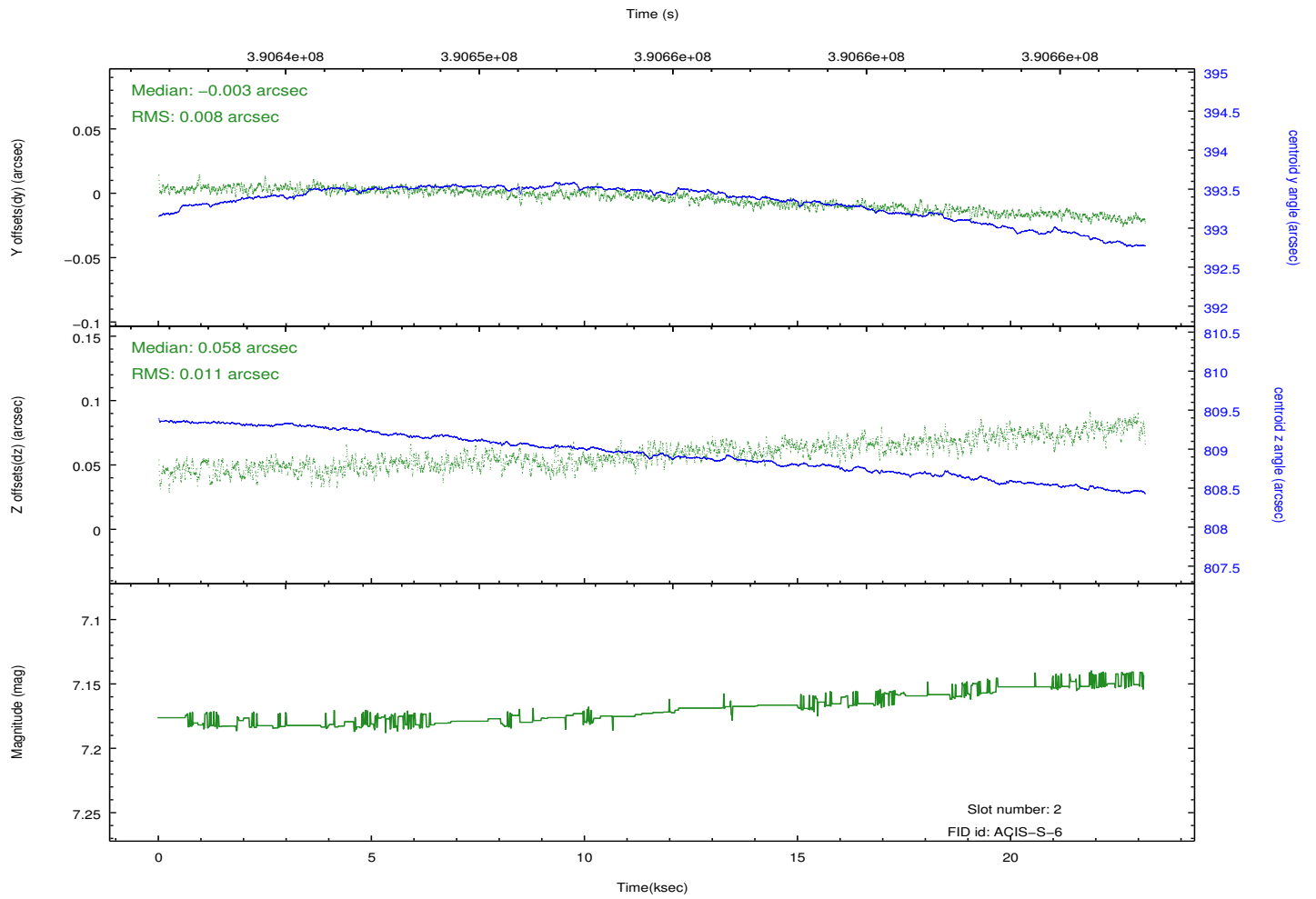
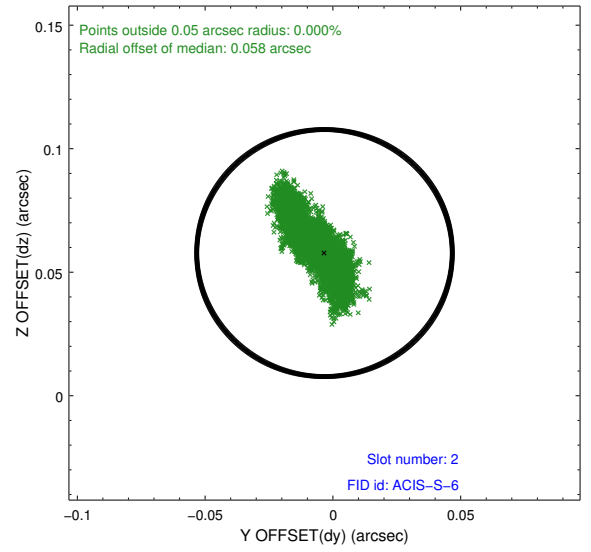
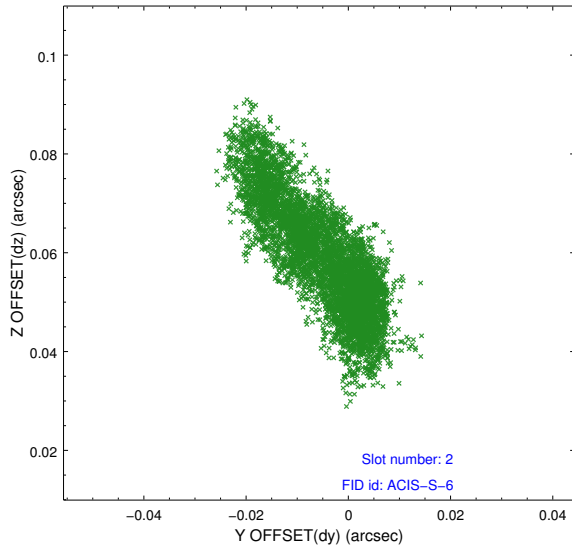
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.047416087031

A.2 Comments